

IN THE CLAIMS:

1. (Currently amended) ~~[[An]]~~ A rotating underground sprinkler with a pop-up head, consisting of a corresponding underground casing, ~~[[and]]~~ comprising an upper cylindrical part having a first diameter and a lower cylindrical part having a second diameter, ~~[[closed by]]~~ a cover on a top portion of said upper cylindrical part and fixed to the pop-up sprinkler head operably coupled to a piston, said piston is operable as a result of water pressure and displaced proportionally to the water pressure against the resilience force of a permanent draw-spring ~~when the water pressure stops, and having respective filtering means, piston guiding and holding means, spray arc and sprinkler head swing control means and means for assembling the sprinkler head, comprising:~~

a draining and cleaning means ~~for preventing the jamming of a sprinkler body disposed in an intersection of~~ ~~[[an]]~~ said upper cylindrical part (230) and ~~[[a]]~~ said lower cylindrical part (231) for preventing the jamming of the sprinkler;

a cover-nut (25) disposed within said casing at said intersection of said upper cylindrical part and said lower cylindrical part for ~~positioned on top of a underground body (23) and~~ securing the piston ~~[[thereto, ]]~~ therethrough, said piston having a smooth tubular cylindrical body,

an inlet filter (22) ~~[[is]]~~ disposed on a lower end

[[underground body (23)]] and within said lower cylindrical part;

[[an]] a pair of omega-shaped [[element]] elements (17) for arranging and adjusting the spray arc of the sprinkler each [[is]] operably attached to a neck (165) of the piston (16) and includes an annular body with a pair of divergent branches (171), (172), wherein said sprinkler further comprises a lower sector and an upper sector, and a jet stream outlet on said upper sector;

a stop (29) made of stainless steel wire having an elongate body and is coupled to [[a]] said lower sector (12) of the sprinkler [[body (4)]], said stop configured to engage said pair of divergent branches of said pair of omega-shaped elements;

a non-detachable stainless steel shaft (3) for assembling together the lower (12) sector and [[an]] said upper (11) sector of the sprinkler [[(4) body]];

an adjustable jet breaker apparatus comprising a jet breaker screw operably attached to said upper sector (11); and, said jet breaker apparatus further comprising a single-piece, plastic, reinforced diffuser blade (7) operably attached on said stainless steel shaft without counterweights for breaking the jet stream.

2. (Currently amended) An underground sprinkler with a

pop-up head according to claim 1, wherein the draining and cleaning means are openings (233, 234 and 235) provided on a beveled surface of the intersection of the upper cylindrical part and the lower cylindrical part [[an intermediate part (232)]] and radially arranged relative to one another at 120°.

3. (Currently amended) An underground sprinkler with a pop-up head according to claim 1, wherein the cover-nut includes a cylindrical body (250) with a circular plan provided with a superficial rib (251) with bevels (252, 253) on two sides, and further comprising projecting arcuate wedge-shaped teeth (254) on a peripheral edge and each positioned relative to one another at 120°, and further comprising a central passage (255) for the piston (16), and a circumscribed circular housing (259) on the inside part of the cover nut for storing a leak-tight joint part (26) having a profile suitable for fitting to said piston (16), and a doughnut-shaped housing (258) on the outside part of the cover nut for a joint for fitting to the lower cylindrical part (230).

4. (Currently amended) An underground sprinkler with a pop-up head according to claim 1, wherein the piston further comprises a widened part (160) with a concave curve seating (162) for adapting a base (222) of the purifying filter (22) and a smaller diameter neck (165) on an upper end thereof

[[and]] provided with several external vertical [[grooves or]] ribs (167) for engaging a plurality of teeth on the annular body of the omega-shaped [[body (1)]] elements and thereby controlling the spray arc.

5. (Currently amended) An underground sprinkler with a pop-up head according to claim 4, wherein the vertical [[grooves or]] ribs are equidistantly spaced at 60°.

6. (Currently amended) An underground sprinkler with a pop-up head according to claim 4, wherein the purifying filter for the water inlet further comprises a frusto-conical body (22) ~~inverted according to its assembly position~~, having a closed minor base (220) and another upper, open major base (222) with [[a perimetral flap (223) for]] an annular flange, wherein said purifying filter is pressure [[fitting]] fitted in a lower part (162) of the piston (16).

7. (Currently amended) An underground sprinkler with a pop-up head according to claim 6, wherein the minor base of the filter further comprises a concentric outer rim (221) which is housed and closed in an inner stepped (238) neck (237) of an inlet (236) [[or an intake]] of the lower cylindrical part [[body (230) of the casing (23)]].

8. (Currently amended) An underground sprinkler with a pop-up head according to claim 5, wherein the plurality of teeth for the pair of omega-shaped elements [[part]] are on [[a]] an inner surface of [[an]] the annular body [[positioned]], each tooth having a triangular configuration having a first engaging side and a second engaging side positioned at 114° with respect to the first engaging side, wherein the pair of omega-shaped elements rotate [[part rotates]] in a single direction [[or only clockwise]] in said [[grooves or]] ribs (167) of the upper neck (165) of the piston (16).

9. (Currently amended) An underground sprinkler with a pop-up head according to claim 8, wherein ~~the stop for said omega-shaped part further comprise a~~ said stainless steel wire [[part (29)]] is in the form of an elongated trapezium having a central opening (290) on a bottom portion thereof [[the major base]], thereby producing two anchors (291-292) which are fixed in a corresponding housing (120) of the lower sector (12) of the sprinkler [[body (4)]].

10. (Currently amended) An underground sprinkler with a pop-up head according to claim 1, wherein the stainless steel shaft for assembling the sprinkler [[body]] further comprises a milled space (30) where a head (113) of the sprinkler [(4)

body]] is non-detachably fixed.

11. (Cancelled)

12. (Cancelled)